

Impress along $\alpha\alpha'$	width along $\beta\beta'$	α' against $\beta\beta'$	β' against $\alpha\alpha'$	width
α β $\alpha\alpha'$ $\beta\beta'$	β α $\beta\beta'$ $\alpha\alpha'$	α' $\beta\beta'$ $\alpha\alpha'$ $\beta\beta'$	β' $\alpha\alpha'$ $\beta\beta'$ $\alpha\alpha'$	$\beta\beta'$
α β $\alpha\alpha'$ $\beta\beta'$	β α $\beta\beta'$ $\alpha\alpha'$	α' $\beta\beta'$ $\alpha\alpha'$ $\beta\beta'$	β' $\alpha\alpha'$ $\beta\beta'$ $\alpha\alpha'$	$\beta\beta'$

Reaction product identified as N-acetylglucosamine

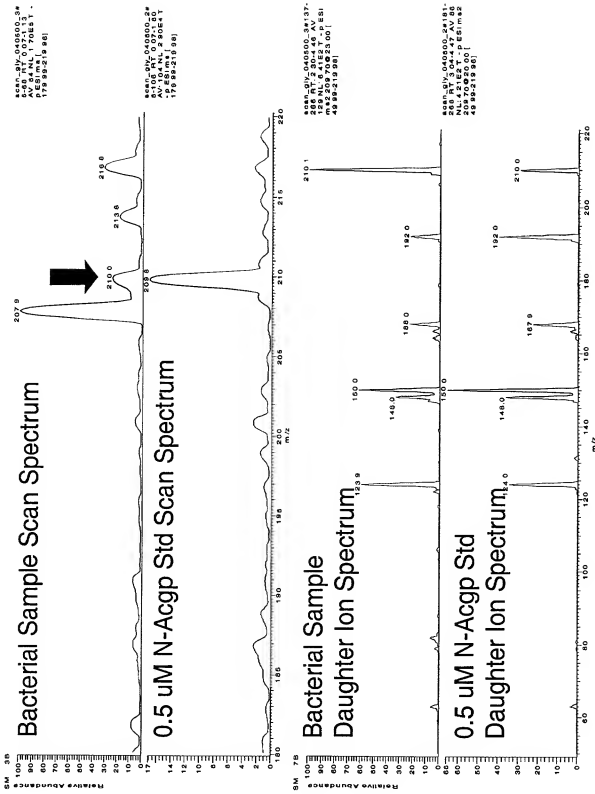


Figure 3

Nucleotide identity between sequence pairs

	B6	DS3	ST401	NHA-2	NH5-2	yiti
B6	***	95.0	93.2	94.8	92.8	62.0
DS3		***	95.5	99.8	95.0	61.8
ST401			***	95.2	99.5	62.4
NHA-2				***	94.8	61.5
NH5-2					***	62.9
yiti						***

Figure 4

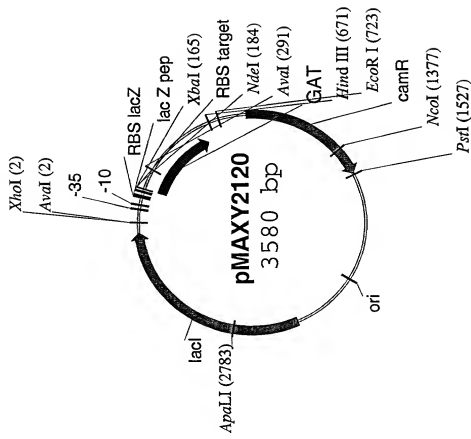
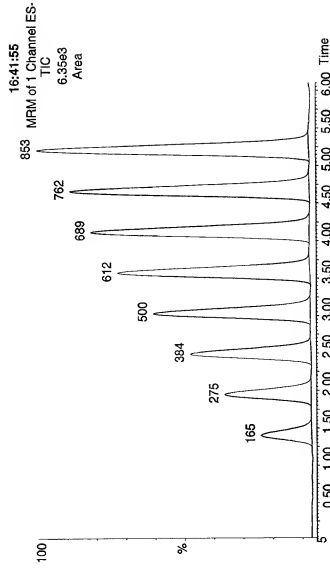
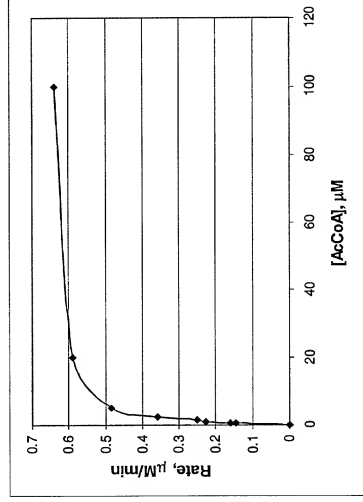


Figure 5



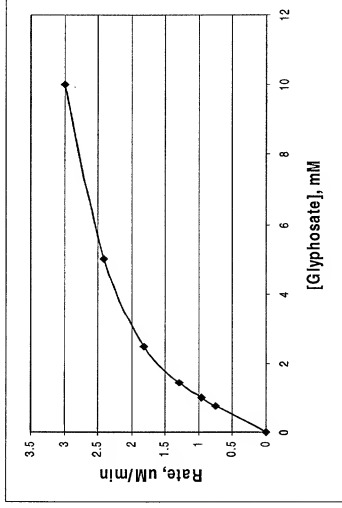
Purified B6 GAT catalyzes
N-acetylglyphosate production

Figure 6



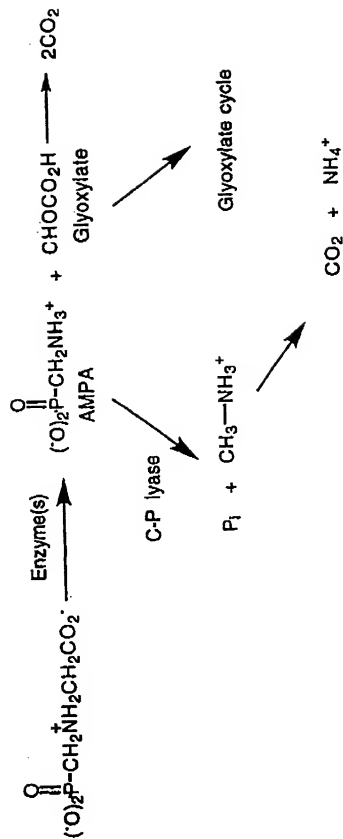
B6 GAT K_M for Acetyl CoA = 2 μM

Figure 7



B6 GAT K_M for glyphosate = 2.9 mM

Figure 8



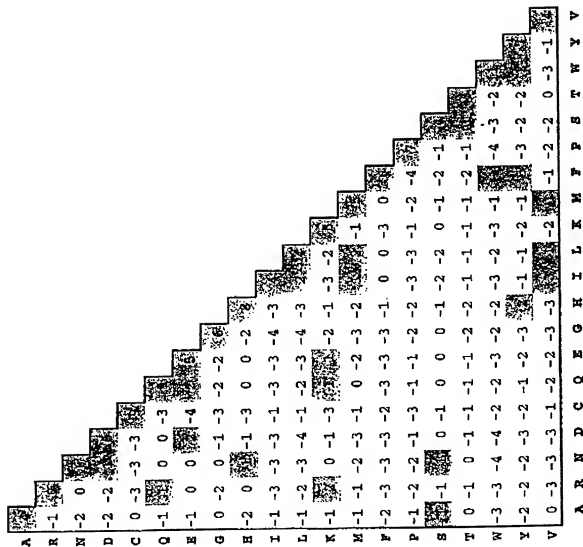


Figure 11

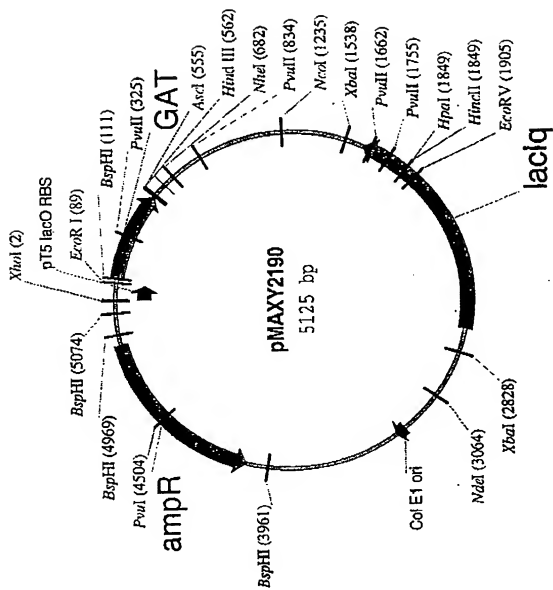
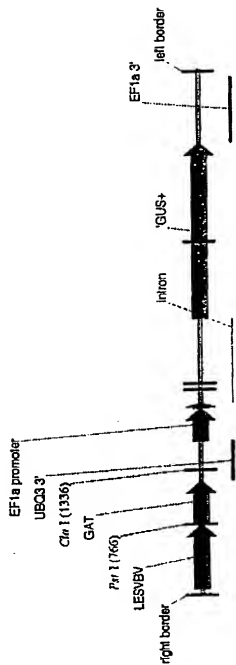


Figure 12



GAT T-DNA
5546 bp

Figure 13

